



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : C12N 15/00, 15/20, C07K 17/08, 14/555, 14/475		A1	(11) International Publication Number: WO 00/42175 (43) International Publication Date: 20 July 2000 (20.07.00)
(21) International Application Number: PCT/US00/00931		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).	
(22) International Filing Date: 14 January 2000 (14.01.00)			
(30) Priority Data: 60/116,041 14 January 1999 (14.01.99) US			
(71) Applicant (for all designated States except US): BOLDER BIOTECHNOLOGY INC. [US/US]; 678 West Willow Street, Louisville, CO 80027 (US).			
(72) Inventors; and			
(75) Inventors/Applicants (for US only): COX, George, N. [US/US]; 678 West Willow St., Louisville, CO 80027 (US). DOHERTY, Daniel, H. [US/US]; 719 Ithaca Drive, Boulder, CO 80203 (US). ROSENDAHL, Mary, S. [US/US]; 310 Fairplay Ave., Broomfield, CO 80020 (US).			
(74) Agents: BROWN, Theresa, A. et al.; Sheridan Ross P.C., Suite 1200, 1560 Broadway, Denver, CO 80202-5141 (US).			

(54) Title: METHODS FOR MAKING PROTEINS CONTAINING FREE CYSTEINE RESIDUES

(57) Abstract

The present invention relates to novel methods of making soluble proteins having free cysteines in which a host cell is exposed to a cysteine blocking agent. The soluble proteins produced by the methods can then be modified to increase their effectiveness. Such modifications include attaching a PEG moiety to form pegylated proteins.